

SELF-MONITORING RADIO NETWORK**Abstract**

A scheme of identifying nonfunctional two-way radios from among a known
5 group of two-way radios expected to be operating within a region may include
establishing a corresponding window of time for each of the two-way radios expected to
be operating within the region. For each of the established windows of time, a
transmission from the corresponding radio is awaited. If, for a particular radio, no
transmission is detected within its corresponding window of time, the absence of the
10 transmission is recorded. Finally, if, for a particular radio, the number of times absence
of transmission has been recorded exceeds a threshold, the particular radio is identified
as nonfunctional.